

Release B CDR RID Report

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RID ID	CDR	5
Review	Release B CDR	
Originator Ref	0417-02	
Priority	1	

Section

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Figure Table

Category Name Data Server (DSS) Design

Actionee ECS

Sub Category

Subject Tracking and Fulfillment of Partially Failed Requests

Description of Problem or Suggestion:

The DDIST does not keep track of partial successes in filling a data request. If a request for 30 granules results in 29 granules shipping and one failing (e.g., due to "Granule Not Found" or "Granule Corrupted"), there appears to be no way to finish the request without redoing the 29 successful ones, once you recover the missing or bad granule.

Originator's Recommendation

Show how the above scenario is handled without redistributing or restaging any granules that shipped successfully.

GSFC Response by:

GSFC Response Date

HAIS Response by: J. Smith

HAIS Schedule

HAIS R. E. J. Smith

HAIS Response Date 6/3/96

Currently there is no requirement to keep track of partial successes in filling a data request. If a requirement is written and approved, it will require non-trivial definitive design changes. These design changes will manifest themselves in both cost and schedule impacts. Data Distribution is currently investigating whether it is feasible to implement. As recommended by Chris Lynnes, a scenario is being developed which will examine this situation. A preliminary scenario will be presented at the Mid-Cycle Review(5/31) and SDSRV detailed design to support this approach at the Delta-Design Review (6/13-14)A discussion of partial processing of data requests, both in the context of partial success and request partitioning, was presented at the Delta-Detail Design Review. The information supporting this discussion is incorporated in the CDRL deliverable 706-CD-005-001, Item MTB2-1 (partially filled orders), and Item MTB1-1 (request partitioning) which is available on the Internet home page edhs1.gsfc.nasa.gov under "Reviews".

Status Closed

Date Closed 7/17/96

Sponsor Kobler

***** Attachment if any *****